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publication in the forthcoming volume. Committee appointed to enquire what necrological notices of members are in the archives, &c.: Vaux, Hays, Coates.

Donations from five sources.

1833. *Dec. 20.* (Present, 22. Duponceau in the Chair.)

Annual Appropriations: Building Committee, \$39.31; Binding, \$81.26; Journals, \$102.18; General expenses, \$4139.94—for 1833.

Finance Committee's report on the state of finances made and adopted.

Committee on Fire-proof Building for several institutions reported that they had held meetings and appointed Committees to ascertain what amounts the several institutions would pledge themselves for in subscriptions for stock for its execution. Committee instructed to report again.

Donations from three persons.

Letter from C. L. Bonaparte, with prospectus of his "Iconigrafia," &c.

Mr. Vaughan submitted a prospectus of a work on Mexican Antiquities.

1834. *Jan'y 3.* (Present, 30. Duponceau in the Chair; Merrick, Chapman, Bancker, Tanner, T. Peale, Meigs, Harlan, Hopkinson, Kane, A. D. Bache, Mr. Harris, Lukens, Pickering, Coates, Wetherill, Hays, C. C. Biddle, S. Lorch, Randolph, Emerson, Hembell, Lea, Vaughan, F. Bache, Fisher, Major Bache, McEwen, Strickland.)

Annual election of Officers reported as follows:

ELECTION OF OFFICERS.

President—Duponceau.

Vice-Presidents—Chapman, Hopkinson, Ord.

Secretaries—F. Bache, Kane, A. D. Bache, Meigs.

Councillors—N. Biddle, Delancey, T. Biddle, Mease.

Curators—Wetherill, Griffith, Lea.

Treasurer—Vaughan.

Library donations from Hodgson, Farrell, Zollickoffer, and the Royal Academy of Spain.

Museum donations from M. David, and the Museum of Natural History, Paris.

The Committee on a Building for the Scientific and Literary Associations reported—

That while they unite in commending the beauty and commodious arrangement of the Building which has been proposed for the reception of the various Scientific and Literary Institutions of Philadelphia, they yet cannot feel themselves at liberty to invite the Philosophical Society to participate in the business of erecting it.

The funds of the Society are altogether too small to embrace so extended a project, and such as they are, it appears to the Committee inexpedient to combine them with those of other Institutions.

The Committee anxious, however, that the valuable Library & Museum of the Soc'y should be lodged in a building less exposed to accident and injury than their present Hall, have felt themselves authorized to enquire whether this Object may not be obtain'd in a manner less liable to objections than that which has been referr'd to them. They are of an Opinion that a building of a proper Character may be constructed by the Soc'y alone, if permission can be obtained from City Councils and State Legislature to occupy a site on Independence Square, near that on which the Hall now stands. With the view of testing the feasibility of such a project, and of expediting it as far as may be the Com. invite the early adoption by the Soc'y of the following resolutions :

1. *Resolved*, That a Committee of Seven Members be appointed to ask the concurrence of the Councils of the City, and the assent of the State Legislature, to an exchange by the Society of the ground it now holds on Independence Square for a lot of 65 feet Square or thereabouts, nearer to Library Street, on which it may erect a neat fire-proof building for its accommodation with apartments for Offices beneath ; the Society stipulating to remove its present building so soon as the new one is completed.

2. *Resolved*, That a Committee of five Members be appointed to prepare and report a Plan, and Estimate, for such a building, whereof the entire cost shall not exceed \$30,000.

3. *Resolved*, That the Committee of Finance be instructed to report in what manner it will be most practicable to obtain funds adequate to the Construction of such a Building, and whether there are any and what funds now within the Control of the Society which can be appropriated as a loan or otherwise in aid thereof.

(Signed)

N. CHAPMAN,
Jos. HOPKINSON,
T. K. KANE,
Wm. STRICKLAND,
JNO. VAUGHAN.

The report was accepted, and the resolutions discussed.

The *first Resolution* was amended by inserting after "Library Street" the words "On this square, or for ground which shall be deemed by the Society to be in equally convenient location and of equal value," and by substituting "70" for "65." Then it was adopted.

The *Second and third Resolutions* were adopted without amendment.

Committee of seven (of the first resolution) were then appointed: Duponceau, Gibson, Kane, Hopkinson, Chapman, A. D. Bache and Merrick.

Committee of five (of the second resolution): Strickland, Fisher, L. Harris, C. C. Biddle, and H. Bache.

Committee on Del Rio's paper on crystals developed in Vermiculite by heat reported it for publication, "with certain alterations which had been proposed by the author."

Accepted.

Balloting for new members was prevented by "the requisitions of the laws in regard to candidates for Election not having been complied with."

[Minutes written in a small copperplate hand by Secretary A. D. Bache.]

1834. *Jan'y 17.* (Present, 21. C. C. Biddle in the Chair.)

Communication from the Faculty of Arts of the University; laid on the table.

Library donations from seven sources.

Finance Committee reported additional *Insurances* effected on the Building, Library and Collections. The insurance on the Building being now \$5000, and on the rest \$15,000.

Memorial Committee reported that it was prepared, and would probably be laid before Councils at their next meeting.

Librarian elected: John Vaughan.

Standing Committees elected "by nomination from the Chair subject to the approval of the Society:"

Finance Committee—C. C. Biddle (election on special motion); Ord, Vaux.

Publication Committee—F. Bache, Lea, Griffith.

Hall Committee—Strickland, Kane, Vaughan.

Library Committee—Moore, Pickering, Hays.

Appropriations for 1834: Building, \$150; Binding, \$100; Periodicals, \$200; current expenses \$150.

Classification of members: “On motion of Prof. [A. D.] Bache,

Resolved, That the members of the Society, will at their next, or stated meeting subsequent thereto, class themselves in one or more of the Committees constituted by Sec. 12, Chap. I of the Laws of the Society.” Notice to the members ordered.

Dr. Short’s (of Kentucky) offer of a collection of the plants of his neighborhood was accepted.

“Dr. Hays made a communication in relation to a *distinct luminous spark* appearing in certain cases on approaching an iron bar to parts of a Nott’s stove which is in his study.”

“Dr. Emerson mentioned the unusual height of the barometer during the last three days, having been at 31 inches, and that the air had been very dry at the corresponding time.”

1834. *Feb'y 7.* (Present, 27. Duponceau in the Chair; Vice-President, Hopkinson; Secretaries, F. Bache, A. D. Bache, Meigs; Curators, Griffith, Lea; Treasurer and Librarian, Vaughan; Members, Bancker, Short, Major Bache, Mease, Pickering, Emerson, Burrough, Hays, Peale, Carey, Raguet, Vaux, Fisher, Nuttall, Harlan, Coates, Lukens, Del Rio. C. C. Biddle.)*

Classification of members: Letters received from Nicholls, Carey, C. S. Ingersoll, and Wm. Rawle, “relative to the Class in which they desired to be placed.”

* This is the first occasion on which this classified form of recording the “Members Present” was used. The minutes are in the beautiful handwriting of Prof. A. D. Bache; and the new form is a sample of the systematic way in which he carried on whatever he undertook. The form once adopted has been continued to the present time, 1884.—J. P. L.

Donations from Silliman, Hays, Nagy, and the Batavian S. S.

“On a peculiar phenomenon of lakes,” by Col. Jackson in a letter from St. Petersburgh. Read and referred to the Committee on Physical Science.

“Second supplement to Lea’s paper on the *Naiades* (March, 1832), was read by Mr. Lea, and referred to the Committee on the First Supplement.

“Note, supplementary to Harlan’s paper on *Ichthyosaurus Missouriensis*,” read and referred to the Publication Committee to print.

MS. communication from J. Buchanan, member of the Philosophical Society, Charleston, presented by Dr. Bache, and laid on the table.

“Case of sudden death in an adult occasioned by the sting of a bee,” in a letter from J. P. Warren, of Wardsborough, Vermont, to Dr. Mease; read by Dr. Bache.

“Account of further observations on the luminous spark, &c.,” by Dr. Hays; verbal communication. “The general result of the observations is that Dr. H. believes the source of the Electricity to be his own person which however presented some anomalies. Dr. H. made also some remarks concerning the case of the Somnambulist female of Springfield, Mass.”

Museum: The Curators “were desired to examine what arrangements are necessary for the preservation & arranging the numerous Donations to the Cabinet and report at an early meeting.”

Fossils: M. Nesti, of the Museum of Florence, having expressed to Dr. Harlan (while in that city in September last), a desire to exchange the *fossil bones* of the Val d’Arno for the plaster casts of the American Philosophical Society, Mr. Vaughan informed the Society of the fact.

Cuvier’s bust: The thanks of the Society were voted to Dr. Harlan “for his attention to the interests of the Society, in procuring for it a fine *Cast* of the fossil remains of the Mæstricht monster or *Mososaurus*; another of the skeleton

of the *Plesiosaurus dolichodeirus*; and a *Colossal [sic] Bust of the Baron Cuvier*.

Mr. Lukens' request to use the Telescope was granted.

Mr. H. C. Carey's request to use the Sextant was granted.

The death of Chas. Wharton, D.D., at Burlington, was announced, as having occurred "since the Publication of the last Necrological list."

1834. *Feb'y 21.* (Present, 23. Duponceau in the Chair.)

Donations from seven persons, and the Bureau des Ponts et Chaussées. An exchange of Transactions American Philosophical Society with the Bureau was ordered.

Dr. Bache made remarks on the present state of the current volume.

Committee on Lea's paper report it for publication.

Committee on Dexter's paper (Geology of the Canal) discharged.

Committee on Darby's paper (mean temperature), discharged.

Committee on Tanner's map and memoir, discharged.

Committee on Prison Queries, discharged.

Committee on Varli's improvement, discharged.

Committee on Magnetism, discharged. [This minute in A. D. Bache's handwriting, of a motion to discharge six Committees made by Dr. Bache, shows that the past records had been overhauled in order to clear the docket.]

1834. *March 7.* (Present, 13. Duponceau in the Chair.)

Donations from Von Hammer and five other persons.

"On the medals presented by Mr. Nagy." Report from the President.

The death of Charles Pougens, of Paris, was reported.

The death of M. de Schweinitz, of Bethlehem, was announced.

"Resolved, That this Society entertain a sense of deep regret at learning the loss of its late member the Rev^d. Lewis D. de Schweinitz;" and that

the Secretary be requested to express the sense of the Society of the loss which they have sustained to the relations of M. de Schweinitz.

The death of M. de Lasteyrie, announced at a previous meeting, was a mistake. The President communicated the fact that M. de Lasteyrie "was still living."

Communication of January 17, from the Faculty of Arts of the U. of Pa. was referred to the Committee on Physical Science, which Committee "was requested to organize for the consideration of the business referred to them."

1834. *March 21.* (Present, 12. Duponceau in the Chair.)

Library donations from seven sources.

Museum donations from C. W. Short, M.D., of Kentucky; and *Mexican medals* from Mr. Naxera.

"The *Herbarium* of the late Zaccheus Collins," was deposited by General Parker.

"A MS. calculation of the Eclipse of the Sun in 1778," by Daniel Freechauff, of Allentown, Pennsylvania, was deposited by Mr. George Vaux.

Committee on List of Members reported progress.

The organization of the Committee on Physical Science was reported by Prof. A. D. Bache, its Chairman; Dr. Hays, Secretary. "The subjects intrusted to them" had been referred to *Sub-Committees*.

The Committee on Natural History was requested to organize. The collection of plants from Dr. Short [reported above], was referred to them.

1834. *April 4.* (Present, 20. Duponceau in the Chair.)

Donations from S. Breck, Ord, Vaughan and the Asiatic Society.

"Biographical sketches," of Dr. Holyoke, Mr. Tim. Matlack, and Mr. Wm. Jones. Mr. Kane was discharged from the duty of preparing them.

"Biographical sketch of Mr. Torombert." President excused.

The Committee on the Alphabet of Arithmetic was continued.

The Committee on the Money System of Portugal reported progress.

Curators reported "that Casts of Mastodon bones have been sent to the Museum of the Garden of Plants."

Committee on Morelli's memoir reported progress.

Committee on a variety of Indian corn, made a verbal report, through Mr. Pickering. Committee continued.

Committee on Schedule of MSS. belonging to the Society reported progress.

Committee on List of Members reported again; list read; Committee continued.

"President reported that 'the brief *Necrological Notices* ordered to be prepared for the Transactions are now printed.'"

Committee on the proposition to construct a *New Hall* was continued.

Committee on Memorial to Councils was continued.

Inscription of members' names: "The Secretaries appointed to notify the members that they are requested to inscribe their names &c., reported that they have fulfilled that duty."

Committee on Physical Science reported progress on the paper on a peculiar phenomenon of Lakes.

"Collections towards a Flora of the Territory of Arkansas," by Thos. Nuttall, was referred to a Special Committee: Griffith, Pickering, D. B. Smith.

S. Hazzard "requested to return all the Manuscripts belonging to the Society that are in his possession."

Transactions American Philosophical Society, Vol. IV, Part 3, N. S., laid on the table by the Chairman of the Publication Committee.

1834. April 18. (Present, 14. DuPonceau in the Chair; Kane, Meigs, F. Bache, Mease, Wetherill, Lea, Vaughan, Del Rio, Harlan, Pickering, Henry, Emerson, J. Williams.)

Library donations from the Hungarian Academy (Nov^r. 11, 1833), and five other sources.

"A necrological notice of M. Gonzales was presented by M. Del Rio & referred to the President;" who was requested to prepare one of M. Pougens.

Casts of Mastodon: The Curators reported cost of making them at not less than \$30 "at which price they are now ready for exchange or sale."

"On the Circle and the Sphere," by C. Paul Boushe, of Cincinnati, was received and referred to Nulty, A. D. Bache and Roberts.

"Description of 5 new shells," read by Mr. Lea.

Committee on Nuttall's paper on the plants of Arkansas, reported it for publication in the Transactions.

The death of Jno. Ternant, "near Paris," was reported by Dr. Bache.

Committee on *Natural Science* reported holding its first meeting on the 28th ult.; Ord elected Chairman; Griffiths, Secretary; next stated meetings on the second Friday of each month.

Secretary Kane's application for the "State papers now in course of publication at Washington," approved.

Dr. Bache reported that he had sent a letter of condolence to the Schweinitz family.

1834. *May 2.* (Present, 21. Hare in the Chair; afterwards DuPonceau, Chapman, and others.)

Letter from the Schweinitz family read.

Library donations from Quetelet and eight other sources.

List of Members:* "Dr. Bache, on the part of the Com. to prepare a list of Members made a report in full, accompanied by a list of the Members of the *Societies*, from the union of which the present Society was formed; a complete list of the members of the present Society; and a list of the Surviving Members."

"On motion of Mr. Kane the report was accepted and Dr.

* This is the Russia-leather bound volume so carefully kept under his personal inspection by Dr. Franklin Bache until his death.—J. P. L.

Bache was requested to have the accompanying lists bound in a convenient form, for the use of the Society, together with a Copy of the Charter & Laws."

Committee on the Alphabet of Arithmetic by M. Do Monte Carmelo recommended that the author "be informed by one of the Secretaries that his communication has been respectfully considered by the Society, & that a copy of the report be transmitted to him." Adopted.

A necrological notice of M. Fr. Ant. Gonzales, by M. Quadrado "was read & ordered to be deposited in the archives."

List of Committees who have not reported, and the list of Surviving Members, were read.

Members in arrears: Resolutions offered by Mr. Kane and postponed to the next meeting:

"Resolved, That in the opinion of this meeting all members elected before the 1 Jan. 1834, & residing within ten miles of the Hall, & who shall not have subscribed, the Laws on or before the 1st Jan^y, 1835, will then lose the right of Membership.

"Resolved, That the Sec^s give notice of the foregoing resolution to all members elect who reside within ten miles of the Hall & have not yet subscribed the laws."

Quetelet's letter was referred to the Committee on Physical Science.

1834. May 16. (Present, 18. DuPonceau in the Chair; Del Rio and others).

Library donations from three persons.

Committee on Smith's Ear of Corn, discharged.

Committee on Obituary notices in the Archives, discharged.

Curators reported "that they deem it inexpedient at the present time, that any *alterations* should be made in the *Museum*."

"*On the Origin of Coals*," by Jas. Pedder, was directed to be deposited in the archives.

Mr. Lea requested permission to make alterations in his paper on the *Naiades*.

Committee on Lea's paper of April last: Pickering, A. D. Bache, Griffith.

Kane's resolutions of last meeting discussed and adopted.

"Resolved, That notification be given in the public papers, as required by law, that the enacting of Statutes & laws will be part of the business of the next Stated Meeting of the Society."

1834. *June 20.* (Present, 16. DuPonceau in the Chair ; Del Rio and others.)

Death of La Fayette: "The President, with the expression of deep feeling, announced to the Society the death of their illustrious associate, General La Fayette. On this information being received, the Society resolved to dispense with the Transaction of the ordinary business of the Society."

"The President thereupon presented the following Resolutions which were unanimously adopted :

"Resolved, That this Society has learned with deep regret the death of their illustrious friend and associate, General La Fayette ; and that in testimony of this feeling the members will wear crape on the left arm for the space of one month.

"Resolved, That a letter be written to the family of the General, in the name of the Society, expressive of their sorrow for the loss which the Society, our Country and the World have sustained by this melancholy event.

"Resolved, That the President and the Vice-Presidents of the Society be charged with the duty of communicating these Resolutions to the family of the deceased."

"After which the Society adjourned to meet next Friday morning at the usual hour."

1834. *June 27. Adjourned meeting.* (Present, 17. DuPonceau ; F. Bache, A. D. Bache, Lea, Vaughan, Hare, Raquet, Harlan, Nulty, McEuen, Lukens, Coates, Fisher, Hays, Emerson, Pickering, Horner.)

Historical Committee: Three MS. volumes of its correspondence were presented, with a letter from the President.

Library donations from nine persons.

Cabinet donations from the Jardin des Plantes, H. Bright, of Bristol, Eng., T. Fletcher, and W. Short.

“The President reported that the resolutions of the Society had been communicated, as directed, to the family of Gen. La Fayette.”

Committee on MSS. reported a resolution, which was adopted:

Historical MSS. : “*Resolved*, That the whole collection of Historical MSS. (except the correspondence of James Logan) be referred to the Com. on History and Literature, with instructions to report at the first meeting in October, or as soon afterwards as possible, whether in their opinion it be advisable to publish a second Vol. of the Historical Collections, and what shall be the contents of the said volume.”

Committee on List of Obituary Notices in possession of the Society discharged.

Committee “on procuring the assent of Councils, &c., of the Legislature to the exchange of the present site of the Society’s Hall, &c., was discharged” [sic].

Committee on “Estimate for a new building, &c., was also discharged.”

Committee on Finance “was discharged from the consideration of the subject of providing funds for a *new building*.”

Committee on Physical Science reported on Col. Jackson’s paper on a peculiar phenomenon of Lakes. Report accepted. Also, “on the communications referred to the Society by the Faculty of Arts of the University of Pennsylvania.”

MS. List of Members: Dr. Bache’s bound book placed on the table.

Committee on Physical Science reported their minutes. “The course taken by the Committee in regard to the subjects committed to them was approved.”

Committee on Lea’s new species reported in favor of publication.

“On a Cyclovolute, being an extension of the Magic Circle of Doctor Franklin,” by Mr. E. Nulty; read and referred to A. D. Bache, B. H. Coates and F. R. Hassler.

“Prof. Hare made some remarks on the importance of

Meteorological Enquiries now before the Physical Committee."

" Prof. Bache stated that observations of occultation of the eclipsed moon on Saturday morning last had been made by Messrs. Walker, Riggs, McEuen and himself in this city, and by Prof. Courtenay at West Point."

The death of Ed. Penington was announced by Dr. Bache.

The President was requested to prepare an obituary notice of La Fayette.

Geological Society of Pennsylvania: " Prof. Bache stated that Dr. Harlan had handed to him a letter on a supposed *Solar tide* which had been read before the G. S. of Pa., and on motion the letter was referred to the Com. on Phys. Science."

1834. *July 18.* (Present, 15. DuPonceau in the Chair.)

Library donations from three persons.

Cabinet donations of coins from Capt. David Geissinger, and of sundry articles from the South Seas, from Midshipman L. Godon. Coins referred to the President and to Dr. Moore director of the Mint.

Committee on Nulty's paper, continued.

Magnetic tide: " Prof. Bache made a verbal com. in relation to an attempt to determine the *diurnal variation* in the *horizontal intensity* of the *earth's magnetism*, which he stated had resulted in giving evidence of a *regular tide* capable of detection by the ordinary means used for determining the horizontal intensity. He proposed to return to this subject at a future time."

The death of Prof. Schulze, of Göttingen was reported.

1834. *Aug. 15.* (Present, 17. DuPonceau in the Chair; F. Bache, A. D. Bache, Meigs, Vaughan, Griffith, Del Rio, Peale, Fisher, Harlan, Hays, Quadrado, Pickering, Lukens, Bancker, Raguet, Emerson.)

A specimen of silk, with a letter from W. Zollickoffer, M.D., of Md., was referred to DuPonceau.

Library donations from fourteen sources; and "the first Book printed for the Blind in America (Gospel of St. Mark) in raised letters," from Jac. Snider.

Cabinet donation of seventy-two Hungarian minerals, from M. Nagy.

Committee on a memoir of Gen. Izard, discontinued.

Committee on Money System of Portugal, continued.

Committee on Morelli's memoir, continued.

Committee on Natural Science to continue their work on Short's plants.

Committee on a memoir of M. Pougens, continued.

Committee on Boushe's paper, discharged.

Committee on Nulty's Cyclovolute, continued.

Committee on Geissinger's donation of coins, continued.

Committee on Physical Science reported that they had laid on the table the letter respecting a solar tide.

The death of Judge Johnson, of South Carolina, was announced.

The death of Count Real, of Paris ("lately"), was announced.

1834. *Sept. 19.* (Present, 17. DuPonceau in the Chair; Tidyman, Tanner, Hays and others.)

Library donations from the Geological Society of Pennsylvania; Swedish Academy; Asiatic Society of Bengal; Duhamel, and eleven other sources.

Cabinet donations from Parnaentier, and Brandis.

Committee on Money System of Portugal, continued.

Committee on Morelli's memoir, continued.

Treasurer reported that he had paid \$250 to the Publication Committee and delivered to them Vols. I and II Transactions as directed by Resolutions 1 and 3, Dec. 6, 1833. He reported progress as to the duty required by Resolution 2.

Committee on Notice of Pougens, continued.

Committee on Nulty's "Cyclovolute" reported it for publication. Accepted. Committee discharged.

Committee on Notice of La Fayette, continued.

Committee on Geissinger's coins was requested to report, also, on "the *ancient coins* presented by the President of the Society."

"Prof. Hare made a verbal com. in relation to a copper cylinder" (refrigerator) "connected with the City Water Works, said to have collapsed, and an explanation of which he offered."

"Prof. Hare also made some remarks in explanation of the difference in the length of the Spark passing from a positive to a negative conductor respectively terminated by a large and a small ball" offering . . . "a difficulty in the theory of two fluids easily explicable on the Franklinian theory." His written communications on the above subjects were referred to F. Bache, A. D. Bache and Mitchell.

Large Book of Members: On motion of Dr. Bache, "the Secretaries were instructed to have prepared a book in which shall be copied the laws and regulations of the Society, followed by a list of members, conveniently arranged with lateral columns for dates, signatures, the expiration of membership, &c."*

1834. Oct. 3. (Present, 10. DuPonceau in the Chair.)

Library donations from seven sources.

Cabinet donation of *prangos seed* from Ranjeet Singh's territory, sent by Dr. Burrough, to be distributed by the Librarian.

Committees reported progress.

Royal Society Transactions: The Librarian reported that he had succeeded in nearly completing the Society's series of

* This is the folio volume, with green linen cover, in which the members' names are written in fair German text; autograph signatures being placed, when possible, in the next blank column; in some cases the autograph signatures of foreign members have been obtained from letters—J. P. L.

the Royal Society Transactions, and also in procuring the entire set of the *Leipsic Transactions*.

Deaths of Joel Bailey, Wm. Johnson, and Caleb Whitefoord. "Dr. Bache read several letters received by him in answer to enquiries respecting some of the *Ancient Members* of the Society, giving information of the" above-mentioned deaths.

Washington's Letter: "The Librarian presented the original reply of General Washington to the address delivered by the Society to him as one of its Members in Dec., 1781, on the occasion of the *Capture of Lord Cornwallis*."

"The Minutes of the Election of Gen. W. having been lost, it is, on motion, Ordered, that the reply of Gen^l W. be now entered on the minutes.

"It is as follows:

"(Endorsed)

OCTOBER 1781

"SIR,

"Permit me through you, to return my warmest thanks to the American Philosophical Society, for this very polite mark of their attention and esteem—

"I have ever set the highest value upon the honor which was conferred on me, when admitted into a Society instituted for the noblest of all purposes, that of 'promoting useful knowledge,' and have long wished for an opportunity of rendering myself, in some degree, worthy of my election. Happy am I, therefore, in receiving this public assurance from Fellow members, that my Services, upon a late important occasion, have contributed to give them 'an additional security in their pursuits of Science.'

"It is peculiarly pleasing to me to observe how universally, how justly, and with how much gratitude we acknowledge the obligation we are under to the Navy and Army of our illustrious Ally, for their noble and generous exertions. It will not fail to cement the growing Union between the two nations, and will be a proof to the Generals—the Officers—and the Men who have so bravely fought and bled in our cause that we are not forgetful of their Merits and Services.

"I have the honor to be

"With the greatest respect

"& esteem—Sir

"Y^r Ob^t & Very Hum^{ble} Ser.

(Signed)

"G^o WASHINGTON.

"To

"Doct^r Thos Bond,

"Vice-President

"of the Society—Sc^r"

1834. Oct. 17. (Present, 19. DuPonceau in the Chair; Baldwin, Del Rio, Raguet and others.)

Linnean Society acknowledged Transactions IV, i.

Library donations from Henry Beaufoy, Esq., of London, and seven other persons. [See below.]

Cabinet donation of forty-four silver and ninety-nine copper coins of different countries from J. F. Fisher, Esq.

Librarian having furnished a list of members to the Publishing Committee (see resolutions of November 15, 1833), was "discharged from the duty."

"A magnetic needle made by himself from a hollow tube of singular delicacy," was exhibited by Mr. Lukens.

Outstanding Committees reported progress.

Librarian's "purchase," "reported at the last meeting" was considered, and \$200 appropriated "to complete the purchase made by the Librarian, of the *Acta Eruditiorum* of Leipsic, & of missing Vols. of the Trans. of some other learned Societies of Europe."

"The Secs. were directed to present to Henry Beaufoy, Esq^r the special acknowledgments of the Society for his valuable donation of the Nautical & Hydraulic Experiments conducted by his father Col. Beaufoy."

Fisher's coins were referred for description to the Committee of July 18.

Publication Committee laid before the Society Transactions American Philosophical Society, V, i.

The Secretaries reported the number of members:

| | |
|---|-----|
| Resident within 10 miles of the Hall..... | 110 |
| Resident beyond " , in the U. S..... | 93 |
| Resident in foreign countries..... | 98 |
| Total number of members..... | 301 |

Prof. Bache communicated Del Rio's reduction of Sulphuret of Silver by muriate of ammonia and a copper coin; the action had been suffered to continue for more than two months before opening the vial containing the solution of muriate, &c.

1834. Nov. 7. (Present, 17. DuPonceau; Chapman, Hopkinson, A. D. Bache, Meigs, F. Bache; Vaughan, Dr. Hodge, Dr. Bell, Tanner, Bancker, Meredith, Hays, Harlan, Pickering, Coates, T. Peale.)

Library donations from six sources.

Committee on Natural History was discharged from the consideration of *Short's plants*, which were referred to Griffiths, Pickering, Harlan.

President's reply to Dr. Zollickoffer reported.

The death of Thomas Say was reported. Ord appointed. The death of Iréné Du Pont was reported. DuPonceau appointed.

"Obs. to determine the *magnetic dip* at Baltimore, Philadelphia, New York, West Point, Providence, Springfield, & Albany," by A. D. Bache and Courtenay, was referred to Bancker, Lukens, McEuen.

Circular of the Franklin Institute and American Philosophical Society Joint Committee on Meteorological observation laid on the table for distribution.

1834. Nov. 21. (Present, 19. Duponceau; T. K. Peale, Emerson and others.)

Letter of envoy of the *Record Commission of Great Britain* read; and the Librarian reported the receipt of 51 volumes. Librarian ordered to send Transactions and Catalogue.

Library donations from the above and four other sources.

Committee on Hare's papers never having received the MS. were discharged.

Committee on Short's plants reported, and were discharged.

Committee on Bache and Courtenay's paper reported it for publication.

Resolution recommended by the Board of Officers was adopted:

"Resolved, That the Society direct their Committee on Mechanical & Physical Science to report in what manner and by what means the Science of Astronomy can be most efficiently promoted."

Star Shower: "On the recurrence of the remarkable meteoric display of Nov. 13, 1833," by Prof. Bache; verbally communicated; "in which he stated that after due preparation for observation & careful attention on & after the morning of the 13th inst., he felt warranted in concluding that no remarkable meteoric display took place at Philadelphia on the 13th inst.," *i. e.*, 1834.

"On a halo seen by him about the head of his shadow in walking in the country when the due [sic] was on the grass and the moon up, but not high." Verbal communications by Dr. Emerson. [Minutes written by A. D. Bache, Secretary].

1834. *Dec. 5.* (Present, 19. Ord in the Chair.)

Library donations from four persons.

Publication Committee's annual report presented.

"Observations on the *Solar Eclipse*" made by Lukens, Wistar, Dr. McEuen, C. McEuen, J. Young, Espy, Riggs, and S. C. Walker, and communicated by S. C. Walker, was described by A. D. Bache.

"Observations on the thermometer, photometer, dew point, &c. during the Eclipse," made by Prof. Courtenay, Prof. Patterson (University Virginia), Jos. Roberts, Jr. and himself, were described by A. D. Bache. Referred to

"Committee to collect observations upon the Eclipse of 1834:" A. D. Bache, Jos. Roberts, Jr., Isaiah Lukens.

Magellanic premium: no application.

"The coins presented this evening" were referred to Committee on coins. (July 18, 1834.)

1834. *Dec. 19.* (Present, 26. Ord in the Chair; F. Bache, Meigs, Kane; Mease, Lea, Vaughan, T. R. Fisher, C. C. Biddle, Merrick, C. N. Bancker, Vaux, McIlvaine, J. Lukens, H. C. Carey, J. G. Thompson, H. S. Tanner, Raquet, T. Peale, Keating, Drs. Hays, Emerson, McEuen, Harlan and Coates.)

Library donations from thirteen sources.

Committee on Money System of Portugal, continued.

Committee on Morelli's memoir, continued.

Committee to notify members of the new laws, reported progress.

Committee on History, reported progress.

Committee on Eclipse reported that they had received statements of observations made at Philadelphia, Haverford, Long Island, Baltimore and Cincinnati.

Committee on Finance; annual report; accepted.

Appropriations for 1835: Hall, \$150; Binding, \$100; Journals, \$200; Current expenses, \$200.

Insurance: Special Committee appointed "to inquire whether the terms & conditions on which the property is now insured, cannot be advantageously modified," and "to make insurance on such terms as they shall judge advisable in a sum not exceeding \$5000 as to the *Hall*, & \$20,000 as to the *Library, Museum & Cabinet*;" Col. C. C. Biddle, E. V. Bancker, and Rob. Vaux.

"Descriptions of 19 species of fresh water shells," [names given]; read by Mr. Lea.

Memoir of Thomas Say read by Mr. Ord. Afterwards thanks were voted. Then Mr. Keating's Resolution, that a copy requested, and the Publication Committee directed to print 250 for distribution among the members, and 500 for the forthcoming Volume Transactions American Philosophical Society was referred to Kane, Keating and Meigs.

The death of Simeon Dewitt [sic], of Albany, was announced. Mr. Kane appointed to prepare an obituary notice.

Henry's galvanic battery: "Dr. Bache, on the part of Prof. Bache, explained some modifications of the galvanic battery made by Prof. Henry of Princeton, which, with the peculiar effect of a Long Conductor in producing Sparks in a Galvanic circuit, will be the subject of a communication to be made at a Subsequent Meeting."